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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/986,046	11/07/2001	Toshio Kikuchi	040356-0404	4829
7:	590 09/12/2002			
Richard L. Schwaab FOLEY & LARDNER Washington Harbour 3000 K Street, N.W., Suite 500 Washington, DC 20007-5109			EXAMINER	
			NGUYEN, HANH N	
			ART UNIT	PAPER NUMBER
<i>、</i>			2834	
			DATE MAILED: 09/12/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

		1				
	Application No.	Applicant(s)				
	09/986,046	KIKUCHI ET AL.				
Office Action Summary	Examiner	Art Unit				
	Nguyen N Hanh	2834				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period v Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	mely filed /s will be considered timely. If the mailing date of this communication. ED (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on	•					
2a)⊠ This action is FINAL . 2b)⊠ Th	is action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims						
4) ☐ Claim(s) <u>1-9</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-9</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or Application Papers	r election requirement.					
9) The specification is objected to by the Examine	r.					
10)⊠ The drawing(s) filed on <u>07 November 2001</u> is/ar	re: a)⊠ accepted or b)⊡ objected	to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12)☐ The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
 3. Copies of the certified copies of the prior application from the International But * See the attached detailed Office action for a list 	reau (PCT Rule 17.2(a)).	•				
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
 a) ☐ The translation of the foreign language pro 15)☐ Acknowledgment is made of a claim for domesting 						
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 	5) Notice of Informal	y (PTO-413) Paper No(s) Patent Application (PTO-152)				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Lindberg.

Regarding claim 1, Lindberg discloses a rotating electric machine having a stator (46 in Fig. 3) with a slot housing coils, and a closing member (Fig. 5) for closing the opening of the slot and forming a cooling passage in the slot (Fig. 9), the rotating electric machine comprising:

a regulating member (Fig. 5) for narrowing the cross-sectional area of the cooling passage in the slot.

2. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Baba et al.

Regarding claim 1, Lindberg discloses a rotating electric machine having a stator (4 in Fig. 17) with a slot housing coils, and a closing member (9 in Fig. 4 and 9) for closing the opening of the slot and forming a cooling passage in the slot (inherent), the rotating electric machine comprising:

a regulating member (Fig. 12) for narrowing the cross-sectional area of the cooling passage in the slot.

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Regarding claim 2, Lindberg also discloses a rotating electric machine wherein the closing member and the regulating member are integrated.

Regarding claim 3, Lindberg also discloses a rotating electric machine wherein the regulating member extends from the main section of the closing member into the slot.

Regarding claim 4, Lindberg also discloses a rotating electric machine wherein the regulating member is disposed in substantially a central section of the slot.

3. Claim 6 is rejected under 35 U.S.C. 102(b) as being anticipated by McCabria.

Regarding claim 6, McCabria discloses a rotating electric machine, comprising: a stator (34) having a stator core and a slot; coils housed in the slot; a closing member (68 in Fig. 7) for closing the opening of the slot and partitioning a cooling passage (66) in the slot; wherein the coils are provided in a coiling region limited to a position near the bottom of the slot, and the overall region closer to the opening of the slot than the coils is filled by the closing member (Fig. 7).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Baba et al. in view of Takeuchi et al.

Regarding claim 5, Baba et al. show all limitations of the claimed invention except showing the rotating electric machine wherein the stator is formed by arranging a plurality of divided cores with coils in a cylindrical shape.

However, Takeuchi et al. disclose the rotating electric machine wherein the stator is formed by arranging a plurality of divided cores with coils in a cylindrical shape for the purpose of simplifying the manufacturing process.

Since Baba et al. and Takeuchi et al. are in the same field of endeavor, the purpose disclosed by Takeuchi et al. would have been recognized in the pertinent art of Baba et al.

It would have been obvious at the time the invention was made to a person having an ordinary skill in the art to modify Baba et al. by using a plurality of divided cores with coils in a cylindrical shape as taught by Takeuchi et al. for the purpose of simplifying the manufacturing process.

5. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over McCabria in view of Abukawa et al.

Regarding claim 7, McCabria shows all limitations of the claimed invention except showing the rotating electric machine further comprising a stopper projecting from the teeth of the stator core into the inner section of the slot and being positioned on the end of the coiling region near the opening of the slot.

However, Abukawa et al. disclose the rotating electric machine further comprising a stopper projecting from the teeth of the stator core into the inner section of

the slot and being positioned on the end of the coiling region near the opening of the slot (Fig. 2 and 3) for the purpose of holding the closing member.

Since McCabria and Abukawa et al. are in the same field of endeavor, the purpose disclosed by Abukawa et al. would have been recognized in the pertinent art of McCabria.

It would have been obvious at the time the invention was made to a person having an ordinary skill in the art to modify McCabria by forming comprising a stopper projecting from the teeth of the stator core into the inner section of the slot and being positioned on the end of the coiling region near the opening of the slot as taught by Abukawa et al. for the purpose of holding the closing member.

6. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over McCabria.

Regarding claim 8, McCabria shows all limitations of the claimed invention except showing the rotating electric machine wherein the closing member comprises a first member and a second member, the first member molded of a resin in the slot opening, and the second member buried after removing a mold member used in the slot to form the first member. It would have been obvious to one having ordinary skill in the art at the time the invention was made to form the closing member by the first member and the second member, since it has been held that constructing a formerly integral structure in various elements involves only routine skill in the art. Nerwin v. Erlichman, 168 USPQ 177, 179.

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Moreover, the method of forming the first and the second closing member is given little patentable weight since the method of forming the device is not germane to the issue of patentability of the device itseft.

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7. Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over McCabria in view of Takeuchi et al.

Regarding claim 9, McCabria shows all limitations of the claimed invention except showing the rotating electric machine wherein the stator is formed by arranging a plurality of divided cores with coils in a cylindrical shape.

However, Takeuchi et al. disclose the rotating electric machine wherein the stator is formed by arranging a plurality of divided cores with coils in a cylindrical shape for the purpose of simplifying the manufacturing process.

Since McCabria and Takeuchi et al. are in the same field of endeavor, the purpose disclosed by Takeuchi et al. would have been recognized in the pertinent art of McCabria.

It would have been obvious at the time the invention was made to a person having an ordinary skill in the art to modify McCabria by using a plurality of divided cores with coils in a cylindrical shape as taught by Takeuchi et al. for the purpose of simplifying the manufacturing process.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (703) 305-3466. The examiner can normally be reached on Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner 's supervisor, Nestor Ramirez can be reached on (703) 308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3431

for regular communications and (703) 305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

HNN

August 28, 2002

PHESTICA RAMEREZ SUPERIOR DESIGNATINES

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